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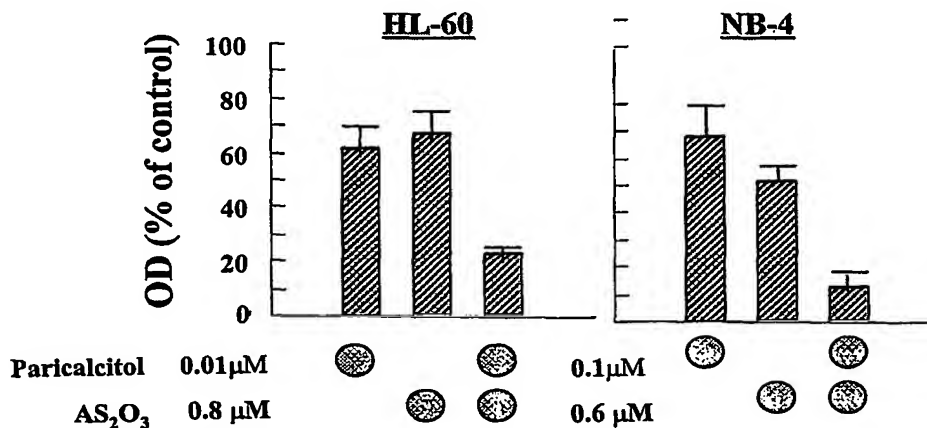
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(54) Title: PARICALCITOL AS A CHEMOTHERAPEUTIC AGENT

## MTT assay

### Myeloid Leukemia (Arsenic Trioxide)



(57) Abstract: The invention provides methods of reducing the severity of a proliferative disorder. One method involves administering to an individual having the proliferative disorder an effective amount of paricalcitol, wherein the paricalcitol reduces cellular proliferation, with the proviso that the cancer is not prostate cancer or head and neck squamous cell carcinoma. Another method of reducing the severity of a proliferative disorder provided by the invention involves administering to an individual having the proliferative disorder an effective amount of paricalcitol and an anti-cancer agent, wherein the combination of paricalcitol and the anti-cancer agent reduces cell proliferation, with the proviso that the proliferative disorder is not prostate cancer or head and neck squamous cell carcinoma.



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